

Title (en)

METHOD AND APPARATUS FOR SUPPRESSING NOX FORMATION IN REGENERATIVE BURNERS

Publication

EP 0333239 A3 19900718 (EN)

Application

EP 89200141 A 19890123

Priority

- US 16889288 A 19880316
- US 19873988 A 19880525

Abstract (en)

[origin: EP0333239A2] The regenerative burner comprises heat storage units (38) with combustion effluent/combustion air ducts therethrough, fuel intake means (40), a fuel nozzle (32) and may include a burner baffle (42) with aperture (44) adjacent the fuel nozzle or may include a plurality of angled fuel jets (56) for control of the flame characteristics and shape and for reducing NO_x formation. The burner may provide for staged combustion, either by means of sequential fuel injection or sequential provision of combustion air, or the burner may repress NO_x formation by vitiation of combustion air with products of combustion.

IPC 1-7

F23L 15/02; F23C 9/00; F23C 6/04; F23C 7/00

IPC 8 full level

F23C 99/00 (2006.01); **F23C 6/04** (2006.01); **F23C 7/00** (2006.01); **F23C 9/00** (2006.01); **F23L 15/02** (2006.01)

CPC (source: EP KR)

F23C 6/045 (2013.01 - EP KR); **F23C 7/00** (2013.01 - EP KR); **F23C 9/00** (2013.01 - EP KR); **F23L 15/02** (2013.01 - EP KR); **F23C 2201/30** (2013.01 - EP KR); **Y02E 20/34** (2013.01 - EP)

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Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0333239 A2 19890920; **EP 0333239 A3 19900718**; AU 2833989 A 19890921; AU 606252 B2 19910131; CA 1317211 C 19930504; CA 1336259 C 19950711; DK 6789 A 19890917; DK 6789 D0 19890109; EP 0611011 A2 19940817; EP 0611011 A3 19941117; JP 2608598 B2 19970507; JP H0210002 A 19900112; KR 890014960 A 19891025; KR 950012776 B1 19951021

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EP 89200141 A 19890123; AU 2833989 A 19890110; CA 588550 A 19890118; CA 616090 A 19910610; DK 6789 A 19890109; EP 94200750 A 19890123; JP 1994089 A 19890131; KR 890003260 A 19890316